Earth Science Certification (7-12)

Students pursing Earth Science Certification (7-12) through a UNH teacher education program must possess an undergraduate degree with a major in an area of Earth/Space science or possess an undergraduate degree that includes coursework equivalent to an undergraduate major in the Earth/Space sciences (typically 40-48 credits or 10-12 courses).

Earth Science course requirements
ESCI 401 Dynamic Earth or ESCI 409 Geology and the Environment  
ESCI 402 Earth History  
PHYS 406 Introduction to Modern Astronomy  
ESCI 501 Introduction to Oceanography  
GEOG 473 The Weather  
CHEM 403 & 404 General Chemistry I & II  
PHYS 401 & 402 Introduction to Physics I & II  
MATH 425 & 426 Calculus I & II

Electives 12: credits from intermediate / advanced earth/space science course (For UNH Earth Science Teaching majors, courses must be taken in ESCI, and at least one course must be writing-intensive.)

Education course requirements
*EDUC 500/935A Exploring Teaching  
EDUC 700/800 Educational Structure & Change  
EDUC 701/801 Human Development & Learning: Educ Psyc  
*EDUC 705/805 Contemporary Educ Perspectives  
EDUC 707/807 Teaching Reading through the Content Areas  
EDUC 751B/851B Educating Exceptional Learners: Secondary  
EDUC 791/891 Methods of Teaching Secondary School Science  
EDUC 900A & EDUC 901A Internship & Seminar in Teaching (2 semesters Fall and Spring)

*Indicates course work must be completed before the internship

Recommended Education Course
EDUC 720/820 Integrating Technology in the Classroom

Any Education course taken for a teacher licensure requirement must be completed with a grade of B- or better. This applies to any courses from other departments that have been designated as equivalent to an Education course.

Degrees (Minimum of 32 Graduate credits)

| M.Ed. In addition to the 12 credit internship, 10 graduate credits must be UNH Education courses. The remaining graduate credits can be in Education, Earth Science or another department. | M.A.T. In addition to the 12 credit internship, three graduate level courses (9-12 credits) must be in Earth Science. The remaining graduate credits can be in Earth Science, Education or another department. |

Admission to the M.Ed. or M.A.T. is competitive and requires submission of an application to the UNH Graduate School. This includes official transcripts, scores from the Praxis Core exam, personal statement and three letters of recommendations. Thirty-two (32) Graduate credits are the minimum for either degree.

For questions regarding Science course requirements contact Professor Julia Bryce at Julia.bryce@unh.edu
For questions regarding Education course requirements contact Cindy Glidden at cindy.glidden@unh.edu
Earth Science course requirements for students who have completed a baccalaureate degree at a school other than UNH

Students seeking Earth Science Certification (7-12) through a UNH teacher education program must possess an undergraduate degree with a major in an area of Earth/Space science or possess an undergraduate degree that includes coursework equivalent to an undergraduate major in the Earth/Space sciences (typically 40-48 credits or 10-12 courses).

ESCI 401 Dynamic Earth or ESCI 409 Geology and the Environment  
Equivalent course____________________________________

ESCI 402 Earth History  
Equivalent course____________________________________

PHYS 406 Introduction to Modern Astronomy  
Equivalent course____________________________________

ESCI 501 Introduction to Oceanography  
Equivalent course____________________________________

GEOG 473 The Weather  
Equivalent course____________________________________

CHEM 403 & 404 General Chemistry I & II  
Equivalent course____________________________________

PHYS 401 & 402 Introduction to Physics I & II  
Equivalent course____________________________________

MATH 425 & 426 Calculus I & II  
Equivalent course____________________________________

Electives: 12 credits from intermediate / advanced earth/space science course (For UNH Earth Science Teaching majors, courses must be taken in ESCI, and at least one course must be writing-intensive).

Equivalent course____________________________________
Equivalent course____________________________________
Equivalent course____________________________________

Revised 3/23/2017